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EUROPEAN PATENT APPLICATION

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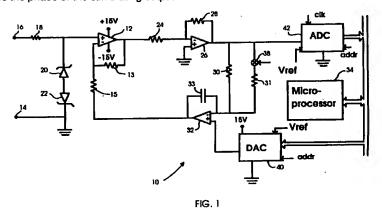
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(54) Method and apparatus for phase related cardiac defibrillation

(57) An implantable cardioverter/defibrillator and method for its use are disclosed. A sensing electrode (14, 16) provides an ECG signal to the defibrillator, this signal is amplified (12, 26) and evaluated for the presence of a tachyarrhythmia. The phase of the ECG signal is sensed during a detected fibrillation or tachycardia and this determines the phase of the stimulating output

signals. The ECG may be continously sensed during the application of the defibrillating output and each output is held constant until a threshold crossing of the ECG is detected, whereupon the defibrillating output is changed





PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 94 11 2555 shall be considered, for the purposes of subsequent proceedings, as the European search report

		IDERED TO BE RELEVAN		
Category	Citation of document with of relevant p	indication, where appropriate, assages	Relevant to claim	CLASSIFICATION OF THI APPLICATION (Int.CL6)
A	US 4 998 531 A (CA	RDIAC PACEMAKERS, INC.)	1-7, 12-14, 17-21	A61N1/39
	* the whole docume	nt *	* * * * * * * * * * * * * * * * * * *	
A	US 4 967 747 A (VE	NTRITEX, INC.)	1,2,5-7, 9,10,13, 14,16, 20,21	
	* the whole docume	nt *	20,22	
A,P	EP 0 589 251 A (CA	RDIAC PACEMAKERS, INC.)	1,3,7,8, 13,15, 18-20	
	* column 4, line 5	- column 9, line 30 *		
				TECHNICAL FIELDS SEARCHED (lat.Cl.6)
				A61N
INCO	MPLETE SEARCH	L		
the provis	ions of the European Patent Conven	t European patent application does not comply tion to such an extent that it is not possible to rt on the basis of some of the claims.	with carry	
Claims se	arched incompletely :			
Claims no	t searchol :		!	
Reason fo	r the limitation of the search:			
see	sheet C		:	
	Place of search THE HAGUE	Date of completion of the search 3 April 1997	lem	ercier, D
	CATEGORY OF CITED DOCUME	NTS T: theory or principl	e underlying the	invention
X: particularly relevant if taken alone E: earlier pa firer the Y: particularly relevant if combined with another D: focument focument of the same category L: document		after the filing do other D : socument cited in	nt document, but published on, or ling date cited in the application ited for other reasons	
Y : part	ment of the same category nological background	L: document cited fo		



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EP 94 11 2555 - C -

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.

Claims searched completely:

1-21

Claims searched incompletely:

Claims not searched:

22-27

Reason for the limitation of the search: Method for treatment of the human or animal body by surgery or therapy (see Art. 52(4) of the European Patent Convention).

EPO Form

Supplementary Sheet C (1996)